

Synthesis and Characterization of α,ω -End Orthogonally Functionalizable Glycopolymers from Native Glycans

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Supporting Information

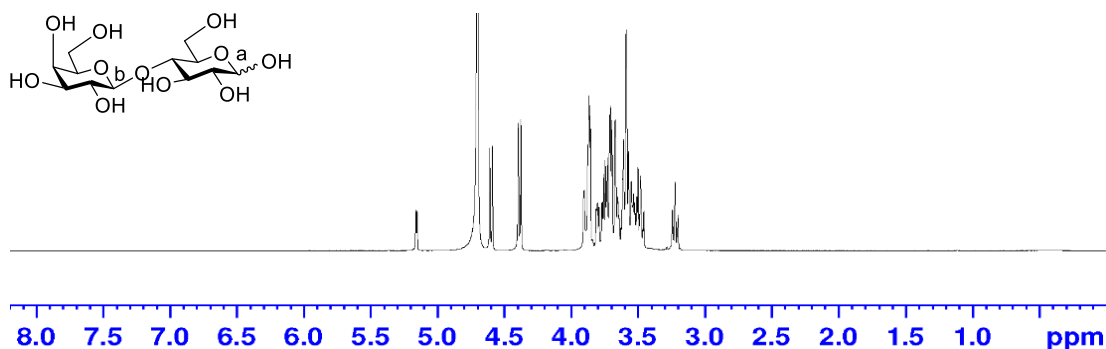


Fig. S1. ¹H NMR spectrum of lactose (400 MHz, D₂O).

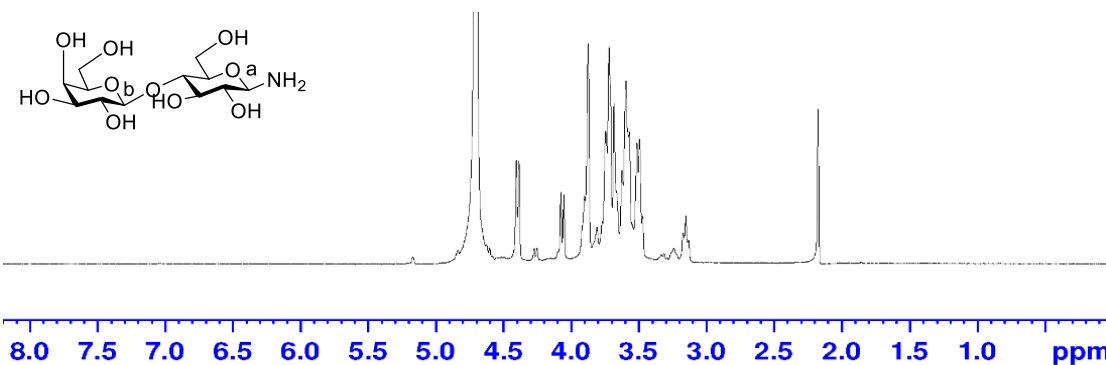


Fig. S2. ¹H NMR spectrum of lactosylamine (400 MHz, D₂O).

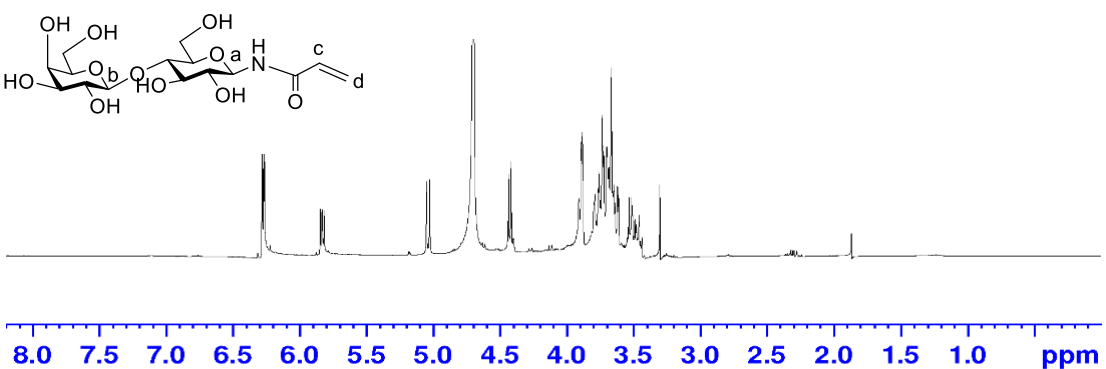


Fig. S3. ¹H NMR spectrum of *N*-prop-2-enoyl- β -D-lactopyranosyl acrylamide (400 MHz, D₂O).

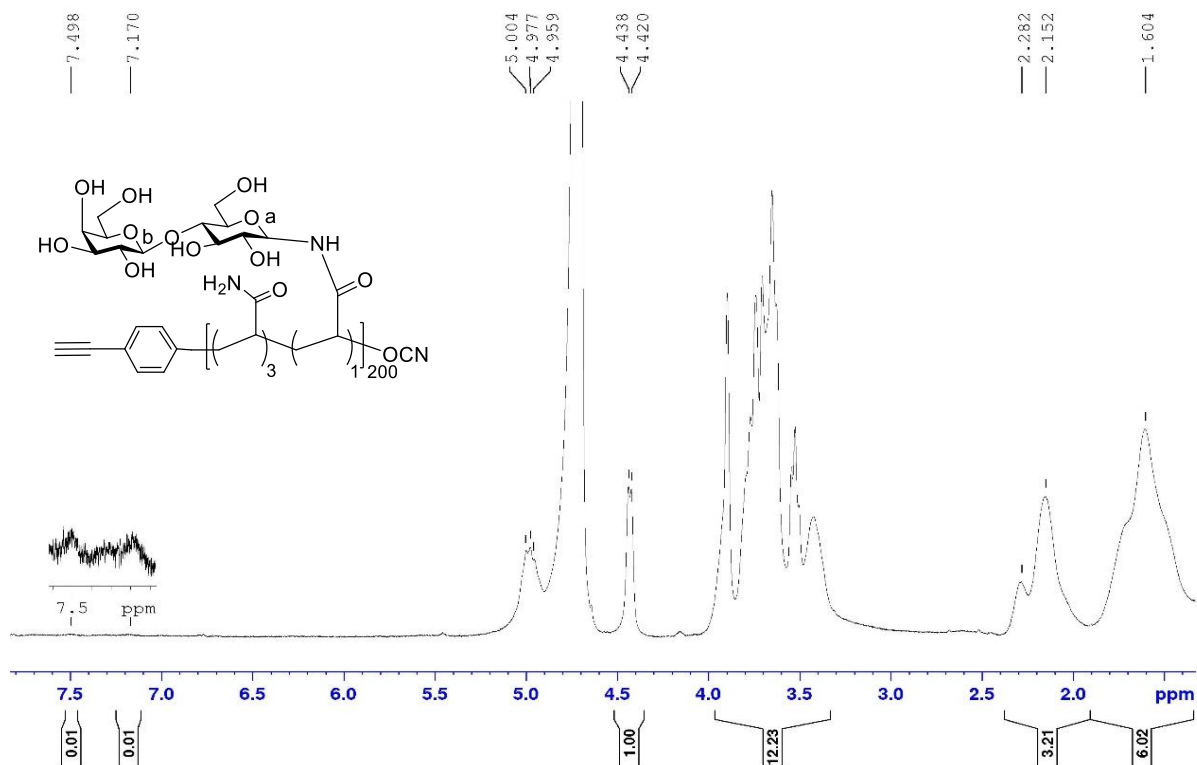


Fig. S4. ¹H NMR spectrum of alkyne chain-end functionalized *N*-lactose polymer (400 MHz, D₂O).

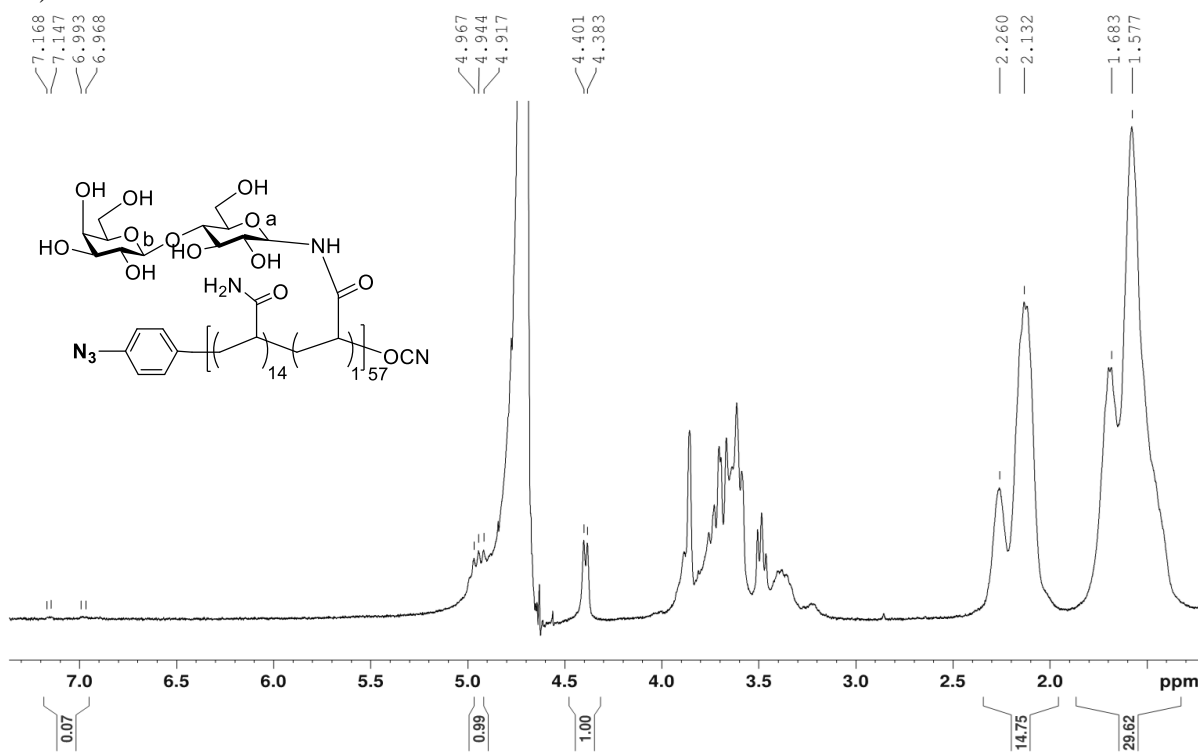


Fig. S5. ¹H NMR spectrum of azide chain-end functionalized *N*-lactose polymer (400 MHz, D₂O).

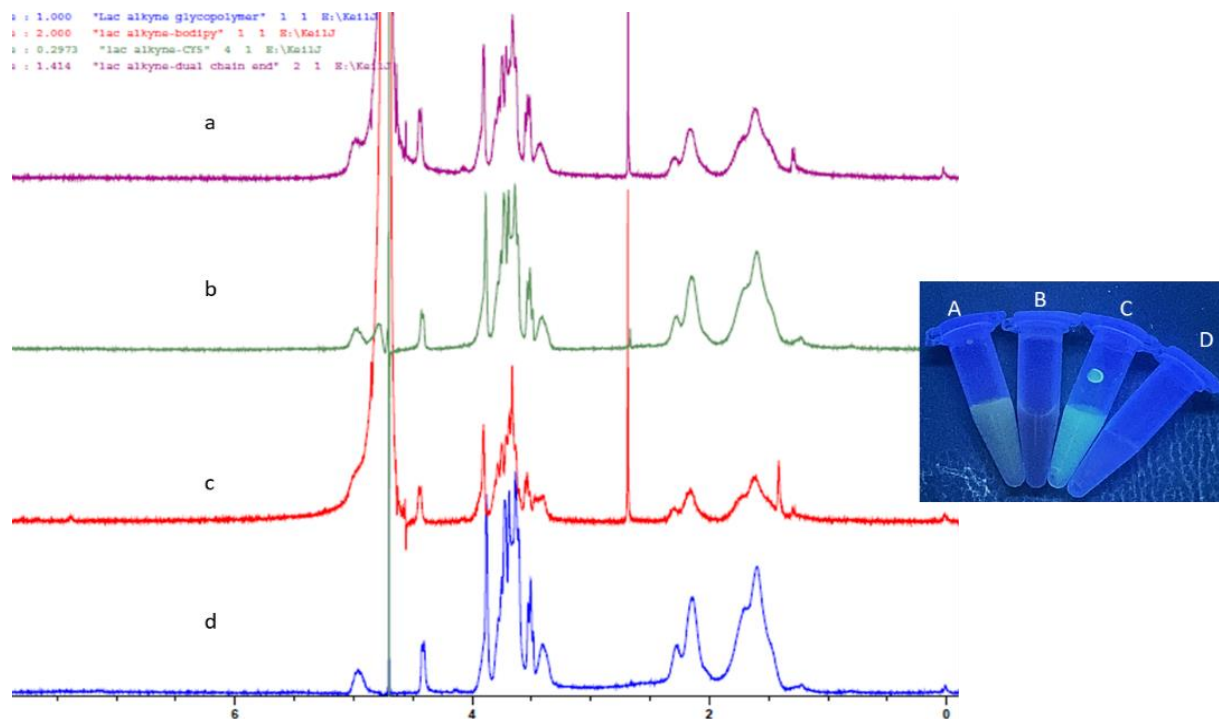


Fig. S6. ¹H NMR Spectra and Pictures under UV lamp of Functionalized Alkyne-Lactose Polymer; a) Bodipy-Lactose Polymer-Cy5 b) Alkyne-Lactose Polymer-Cy5 c) Bodipy-Lactose Polymer d) Alkyne-Lactose Polymer in D₂O.

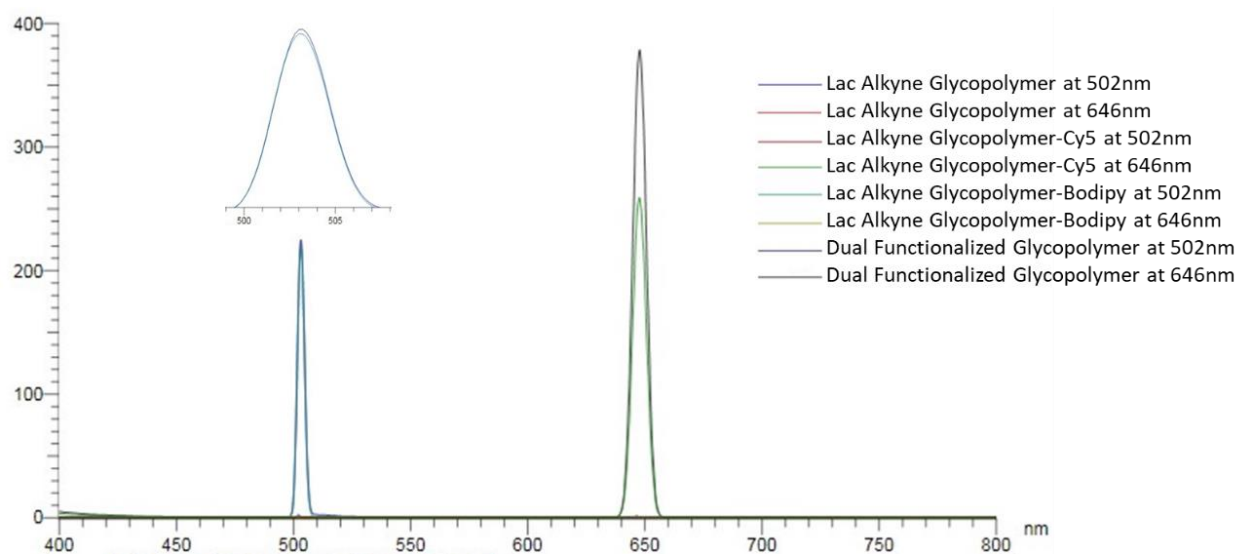


Fig. S7. Fluorescent spectra of Functionalized Alkyne-Lactose Polymer in H₂O.

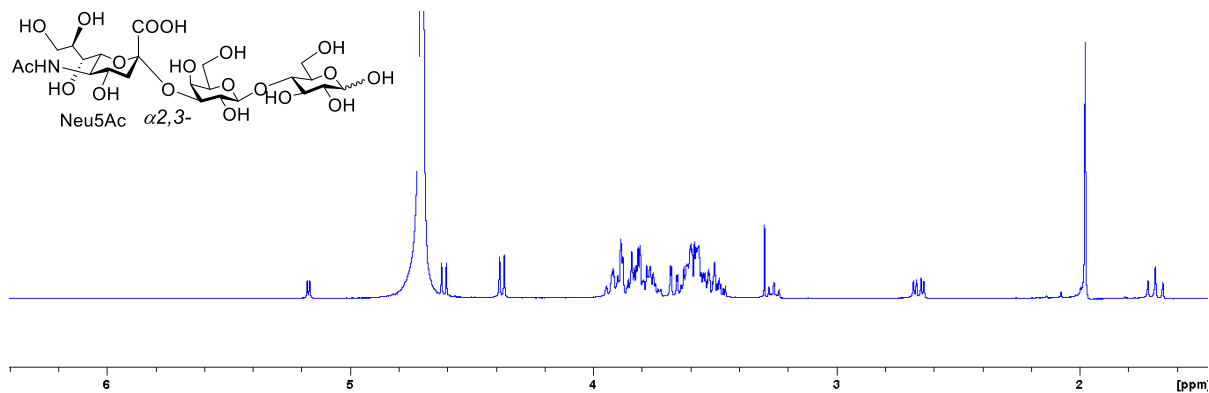


Fig. S8. ^1H NMR spectrum of α 2,6-sialolactose (400 MHz, D_2O).

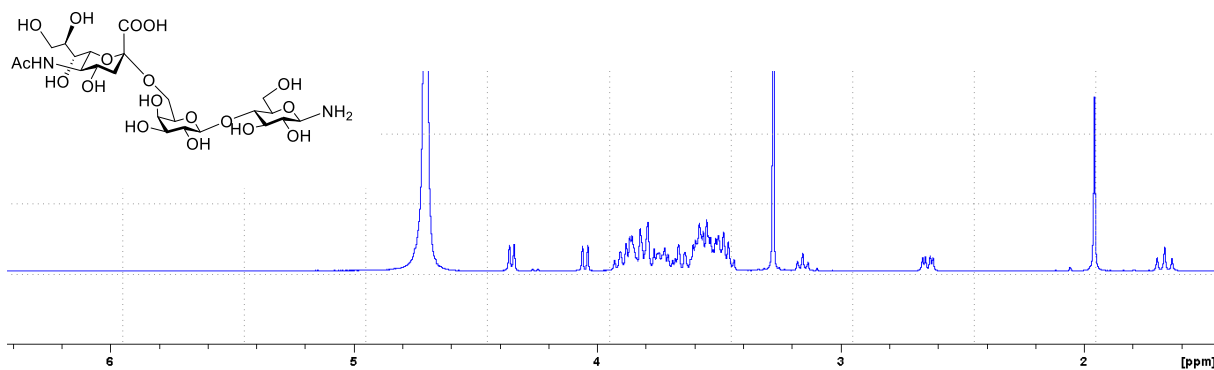


Fig. S9. ^1H NMR spectrum of α 2,6-sialolactosylamine (400 MHz, D_2O).

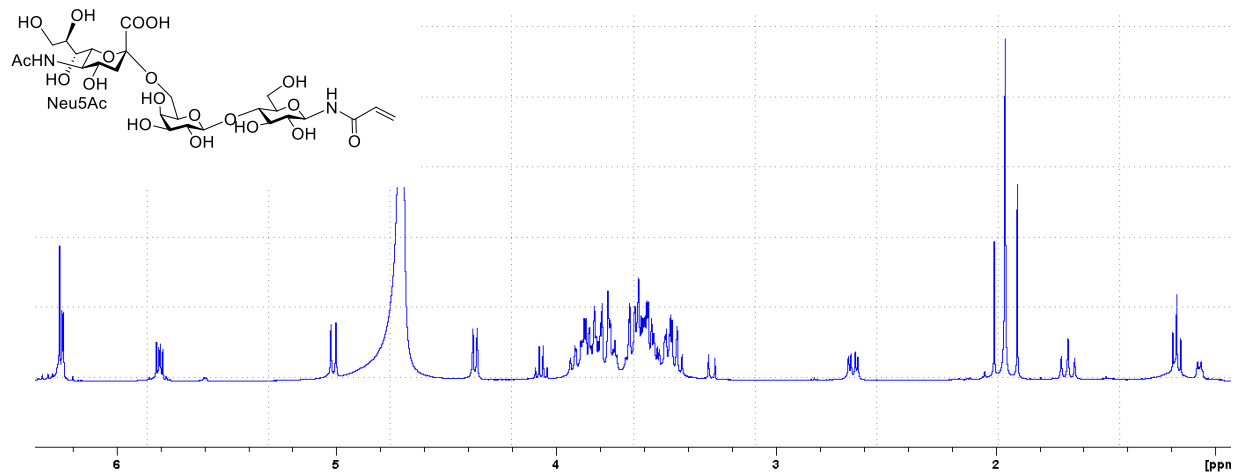


Fig. S10. ^1H NMR spectrum of *N*-(prop-2-enyl)- α 2,6-siallyllactamine (400 MHz, D_2O).

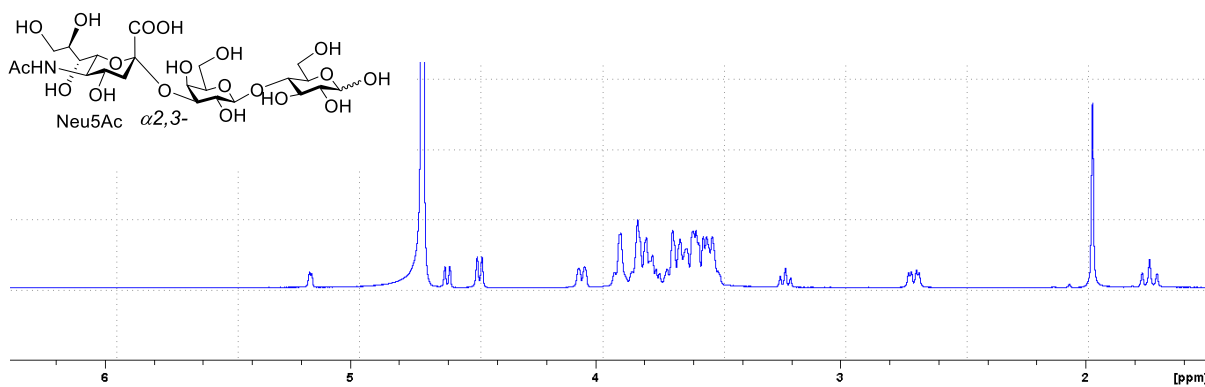


Fig. S11. ^1H NMR spectrum of α 2,3-sialolactose (400 MHz, D_2O).

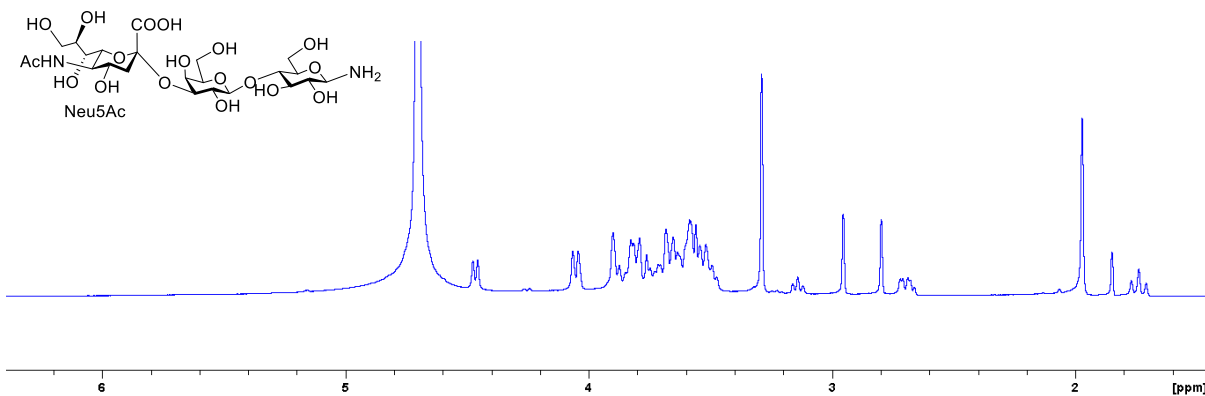


Fig. S12. ^1H NMR spectrum of α 2,3-sialolactosylamine (400 MHz, D_2O).

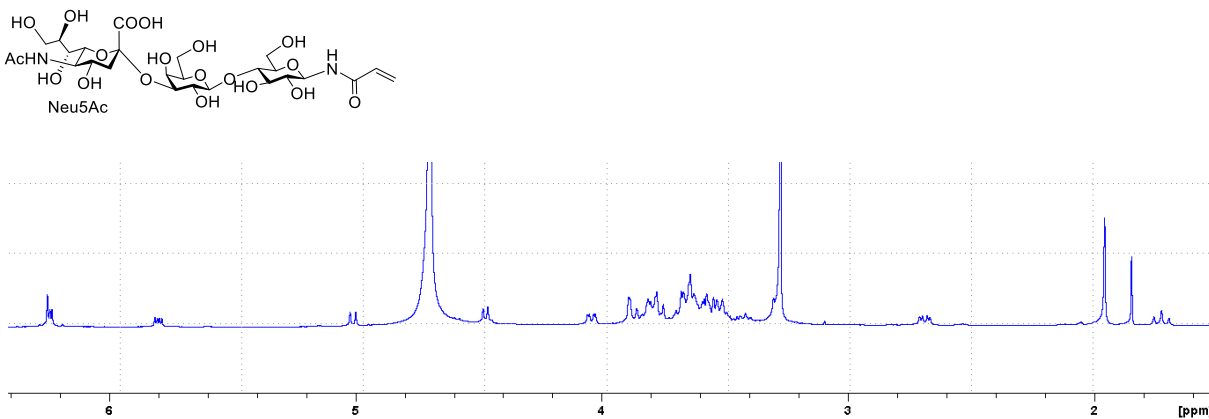


Fig. S13. ^1H NMR spectrum of *N*-(prop-2-enoyl)- α 2,3-sialyllactamine (400 MHz, D_2O).

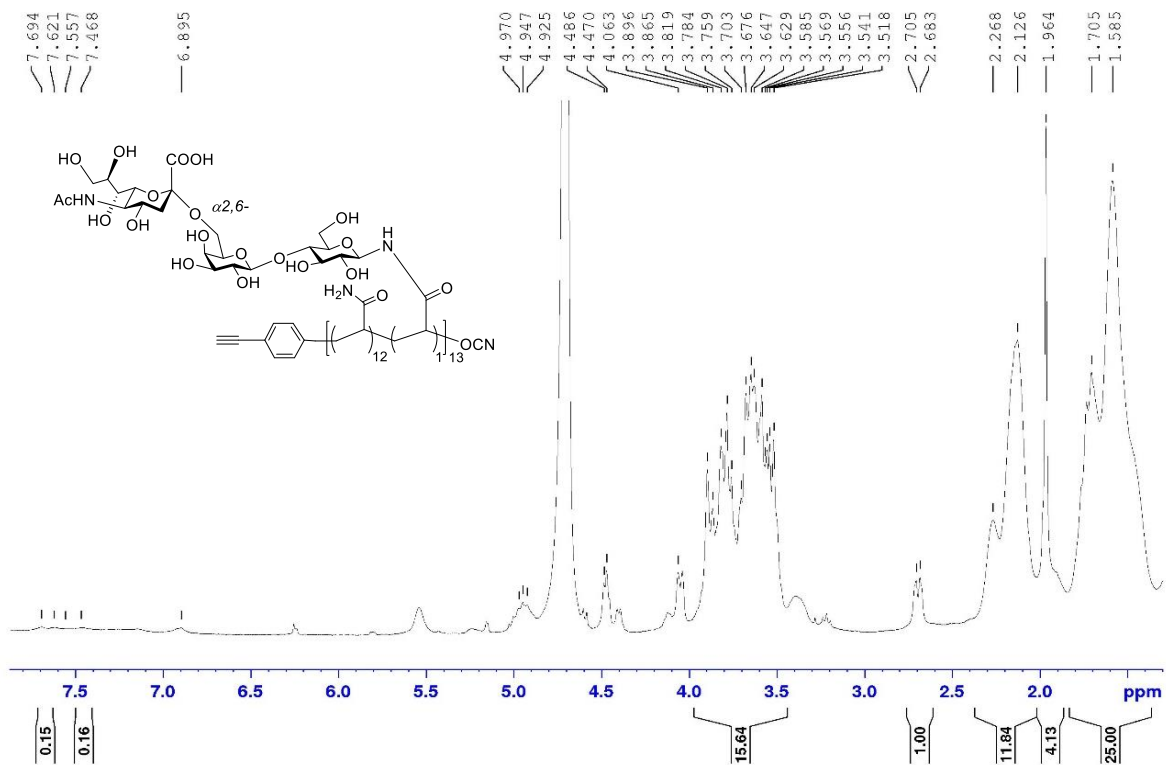


Fig. S14. ^1H NMR spectrum of alkyne chain-end functionalized N - α 2,6-sialyllactose polymer (400 MHz, D_2O).

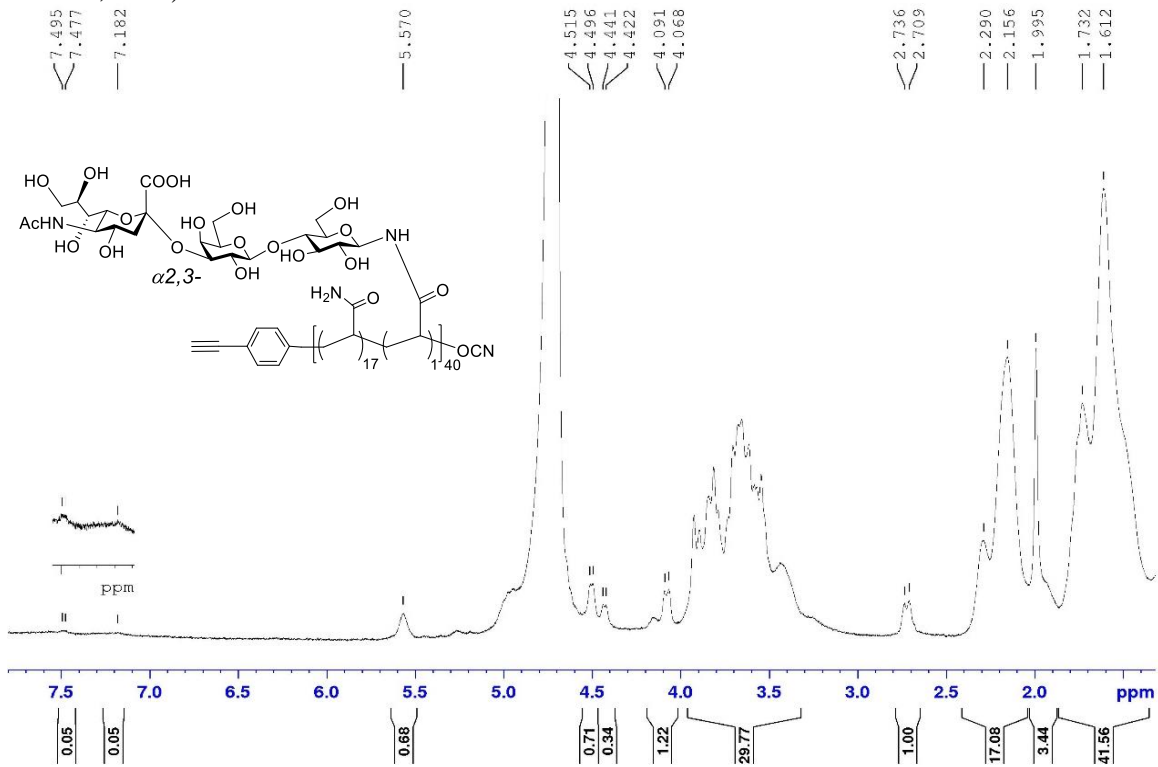


Fig. S15. ^1H NMR spectrum of alkyne chain-end functionalized N - α 2,3-sialyllactose polymer (400 MHz, D_2O).

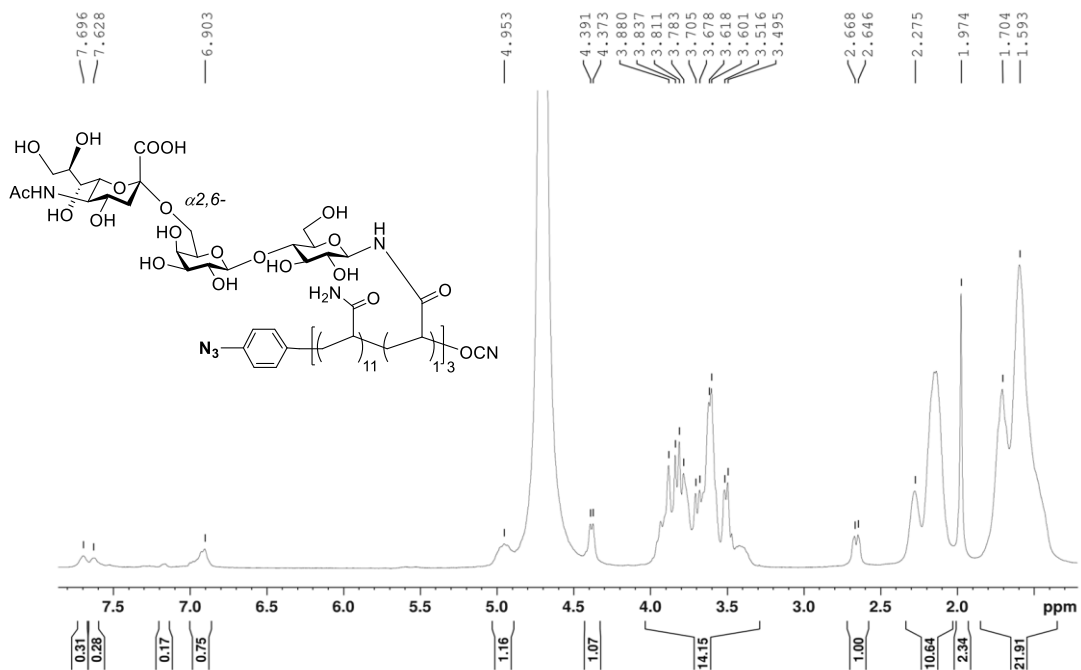


Fig. S16. ^1H NMR spectrum of azide chain-end functionalized N - α 2,6-sialyllactose polymer (400 MHz, D_2O).

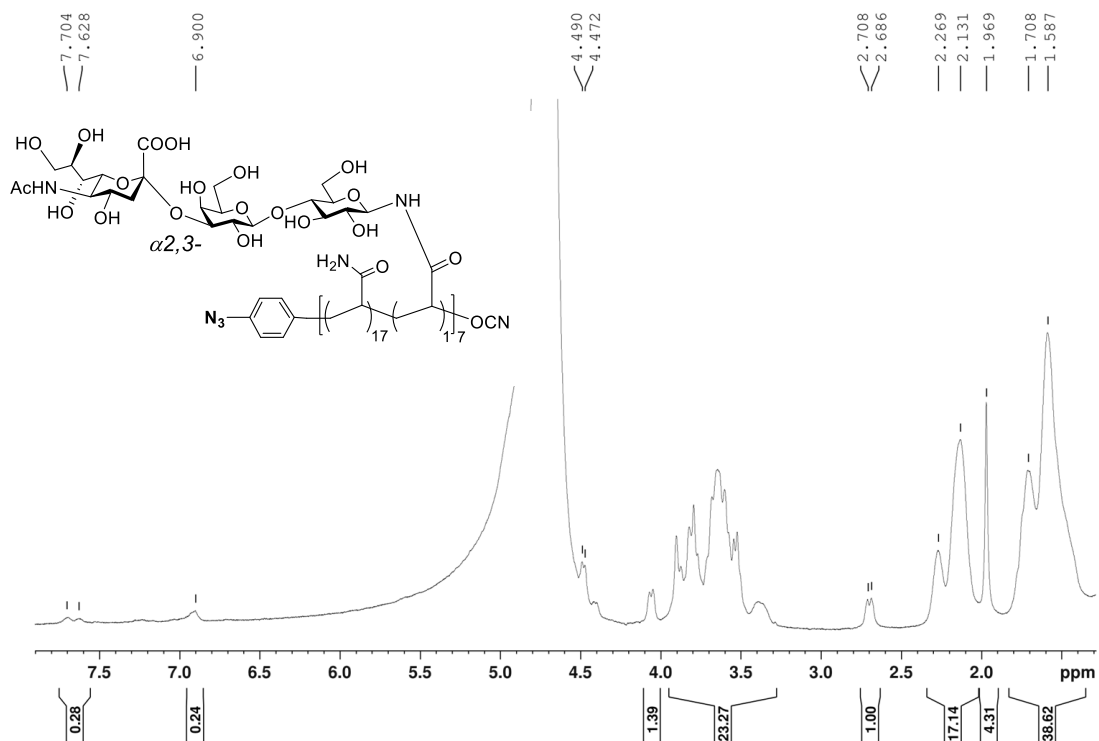


Fig. S17. ^1H NMR spectrum of azide chain-end functionalized N - α 2,3-sialyllactose polymer (400 MHz, D_2O).